

Uncertified

Partial English Translation of JP 62-30092 U

The bottom space of page 7 states, "the second spring 23 biasing the second valve component 21 [the fluid receiving valve component] has a smaller spring constant than the first spring 22 biasing the first valve component 20 [the fluid supplying valve component]." Please refer to Fig. 1. Accordingly when the leading edge of the first coupling body is inserted into the second coupling body 12, engaging portion 24 of the first coupling body 11 pushes the engaging portion 25 of the second coupling body, and then the valve 21 of the second coupling body opens and after that the valve 20 of the first coupling body opens. O-ring 27 contacts the outer surface of the first coupling body 11 and makes the other sealing between the first and second coupling bodies before the valves 20 and 21 open.

The reference relates to an automatically coupling joint particularly suitable for fluid supplier connection of the attachment of a machine tool. Fluid is typically a hydraulic oil.